

16 September 1988

MEMORANDUM TO ED-FH FILES

SUBJECT: Trip Report, Lake Ontario Ordnance Works, Lewiston-Porter, NY

1. Previous trip reports described the drilling and installation of most of the planned wells. One additional well needed to be completed, soil borings were to be drilled, and all the wells were to be developed when I arrived at the site on 6 Jul 88.
2. I was given a safety lecture by Rob Dixon, Site Safety Officer, and a tour of the facility by Kevin Connare, Project Geologist. After the tour, I observed Connare taking pH and conductivity readings at various wells around the site. Development was progressing concurrently with two drill crews working at several well locations. Development progressed using a surge block on some holes and dedicated bailers in others.
3. On 7 Jul the drillers set up and began the drilling of the soil borings. One poor procedural method was noted and discussed with Connare. One of the drill helpers decided to clean the cat-head and use d emory cloth almost directly over the open hole. The filings and dust probably went into the hole.
4. I observed t h e use of a tremie pipe to place sand in the sand pack of hole MW-C-2D. The system was not totally efficient. Much of the sand was lost by poor technique and some by wind action. The equipment consisted of a funnel made of a cut-off top of a gallon jug, a 1-inch PVC pipe, a drill helper pouring water from a bottle, and the driller pouring sand.
5. The day of 8 Jul was spent observing the drilling of the remaining soil borings. The borings were completed and the drillers left for the weekend.
6. The week of 11 Jul was primarily spent on the development of the existing wells. The holes were surged, bailed and pumped. The pumping was accomplished using the pump on the drill. When asked, they told me the pump had been decontaminated and would be decontaminated *for* any future wells.
7. One drill crew left at mid-week to go to another job. The other crew did the development work and made a futile effort to clean out the sump at SCA's steam-cleaning/decontaminating area. The cleaning was requested by SCA. After an hour and a half of attempting to hand shovel approximately 1 foot of muck out of a 10- by 20-foot area, the effort was abandoned.

CEMRK-ED-FH

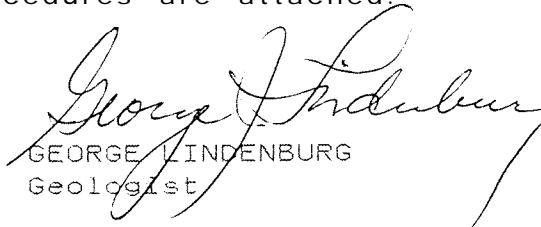
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8. Development continued well for all but one of the holes. Hole MW-C-3D continued showing high conductivity and pH readings. The last reading that I recorded was on 15 Jul: 3360 micromhos conductivity and a 12.13 pH.

9. My role in the field oversight was completed on 15 Jul. Randy Rohrman was to oversee the trenching planned for the week of 18 Jul.

10. Photos of the field procedures are attached.

Atch


GEORGE LINDENBURG
Geologist

CF:
CEMRD-ED-G thru CEMRK-ED w/o ~~Atch~~
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